

(April 30, 2001)

The first paragraph of Section 6-02.3(17)K is revised to read as follows:

Except as otherwise specified, concrete forms on all steel structures shall be removable and shall not remain in place. Where needed, the forms shall have openings for truss or girder members. Each opening shall be large enough to leave at least 38 millimeters between the concrete and steel on all sides of the steel member after the forms have been removed. Unit contract prices cover all costs related to these openings.

Permanent metal forms may be used to form that portion of the concrete slab inside the webs of the steel box girders, subject to the following requirements:

1. Metal forms shall be 18 gage minimum thickness, zinc coated, steel sheet conforming to ASTM A 653M Coating Designation Z 600. All accessories shall conform to ASTM A 36M or Section 9-06.1 with a zinc coating of 600 grams per square meter.
2. Forms shall be designed by the Contractor to support the plastic concrete, metal forms, steel reinforcing bars, and a construction live load of 2,875 pascals. Deflection of the metal form shall not exceed 1/360 of the span. Camber of the metal form shall not exceed the anticipated deflection. The working unit stress shall not exceed 0.725 of the specified yield strength of the metal form material.
3. The metal forms shall provide for the full depth of the deck slab above the uppermost portions of the form. Bottom transverse steel reinforcing bars of the deck slab shall be at least 25 millimeters clear of the metal forms at all points. Forms or supports shall not be welded to girder flanges.
4. The deck slab concrete shall be placed continuously between the transverse construction joints shown in the Plans, except in an emergency when the Engineer approves interrupting the concrete placement. In such an emergency, the Contractor shall construct a transverse joint at the bottom of a flute and shall field drill 6.25 millimeter weep holes through the metal form at 300 millimeter centers along the line of the joint.
5. All zinc coating on exposed metal form damaged or removed during construction shall be repaired with one

- 1 coat of 50 micrometer dry film thickness Formula A-9-73
2 paint in accordance with Section 9-08.2.
3
4 6. Should the Engineer determine that inspection of the
5 underside of the hardened slab is warranted, the
6 Contractor shall remove at least one section of metal
7 form in each span at no extra cost to the Contracting
8 Agency. If excessive honeycomb or other defects are
9 found, the Contractor shall, if required by the Engineer,
10 remove additional form sections at no additional expense
11 to the Contracting Agency, and shall revise concrete
12 placing methods as required to produce sound concrete.
13 All unacceptable concrete shall be removed or repaired
14 as approved by the Engineer.
15
16 7. Complete layout, details, and a description of materials,
17 for the permanent metal forms shall be included in the
18 Contractor's falsework and formwork submittal as
19 specified in Section 6-02.3(16).
20
21 8. No adjustment will be made to the lump sum contract
22 price for "Roadway Deck - ____" for additional quantities
23 of materials required because of the use of the
24 permanent forms.